What is claimed is:

1. An information outputting apparatus comprising:

an outputting device for outputting main information composed of a plurality of partial information to an information recording apparatus together with order information, which shows configuration order of said respective partial information in said main information, along a reproduction time series in said main information;

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a controlling device for controlling the outputting device so as to repeatedly perform said outputting operation with respect to the same said main information and said order information.

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- 2. The information outputting apparatus according to claim 1, wherein said information recording apparatus records said outputted main information in a recording medium by using said outputted order information so that said main information is reproduced on the basis of said order information.
- 3. The information outputting apparatus according to claim 1, wherein said main information is compressed having 25 no relation to a time axis.

- 4. The information outputting apparatus according to claim 1, wherein said outputting apparatus further comprises a distributing device for distributing said main information and said order information to said information recording apparatus through telecommunication lines.
 - 5. The information outputting apparatus according to claim 4, wherein said telecommunication lines comprise at least one of a cable television circuit, the Internet lines, satellite broadcasting circuit and ground-based digital broadcasting circuit.
 - 6. The information outputting apparatus according to claim 1, wherein said outputting device also outputs reproduction controlling information for controlling a reproduction manner of said main information recorded in said recording medium to said information recording apparatus together with said main information and said order information.

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7. The information outputting apparatus according to claim 1, wherein said main information includes regulating information for regulating the number of times for copying after said main information is recorded in said recording medium,

said outputting device further comprises a changing device for uniformly changing said respective order

information in association with a content of the included regulating information and generating a changing order information, and

said outputting device outputs said changing order information to said information recording apparatus together with said main information.

8. The information outputting apparatus according to claim 1, wherein said partial information comprises a information sector, and

said order information is any one of sector address information in association with said respective information sectors and relative information which is related to said sector address information.

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9. An information recording apparatus for recording main information and order information, which are outputted from an information outputting apparatus, in a recording medium, wherein the information outputting apparatus comprises: an outputting device for outputting said main information composed of a plurality of partial information to said information recording apparatus together with said order information, which shows configuration order of said respective partial information in said main information, along a reproduction time series in said main information; and a controlling device for controlling the outputting device so as to repeatedly perform said outputting

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operation with respect to the same said main information and said order information,

wherein said information recording apparatus comprises:

an obtaining device for obtaining said outputted main information and said outputted order information; and

a recording device for recording said obtained main information in said recording medium by using said obtained order information in the order of obtaining.

10. The information recording apparatus according to claim 9, wherein address information showing a recording position on said recording medium is recorded in advance on said recording medium, and

said recording device records said partial information in association with said order information on a recording position on said recording medium, which is indicated by said address information associated with said obtained order information.

11. The information recording apparatus according to claim 9, wherein said partial information comprises a information sector, and

said order information is any one of sector address information in association with said respective information sectors and relative information which is related to said sector address information.

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12. An information outputting method comprising:

an outputting process for outputting main information composed of a plurality of partial information to an information recording apparatus together with order information, which shows a configuration order in said main information of said respective partial information, along a reproduction time series in said main information; and

a controlling process for controlling said outputting process so as to repeatedly perform said outputting process with respect to the same said main information and said order information.

13. The information outputting method according to claim 12, wherein said information recording apparatus records said outputted main information in a recording medium by using said outputted order information so that said main information is reproduced on the basis of said order information.

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- 14. The information outputting method according to claim 12, wherein said main information is compressed having no relation to a time axis.
- 25 15. The information outputting method according to claim 12, wherein said outputting process further comprises a distributing process for distributing said main information

and said order information to said information recording apparatus through the telecommunication lines.

16. The information outputting method according to claim 12, wherein said main information includes regulating information for regulating the number of times for copying after said main information is recorded in said recording medium;

said outputting process further comprises a changing process for uniformly changing said respective order information in association with a content of the foregoing included regulating information and generating changing order information; and

said changing order information is outputted to said information recording apparatus together with said main information in said outputting process.

17. The information outputting method according to claim 12, wherein said partial information comprises a information sector, and

said order information is any one of sector address information in association with said respective information sectors and relative information which is related to said sector address information.

18. An information recording method for recording main information and order information, which are outputted by

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information outputting method, wherein said information outputting method comprises: an outputting process for outputting said main information composed of a plurality of partial information to an information recording apparatus together with said order information, which shows a configuration order in said main information of said respective partial information, along a reproduction time series in said main information; and a controlling process for controlling said outputting process so as to repeatedly perform said outputting process with respect to the same said main information and said order information,

wherein the recording method comprises the processes of:

obtaining said outputted main information and said outputted order information; and

recording said obtained main information in said recording medium by using said obtained order information in the order of obtaining.

19. The information recording method according to claim
18, wherein address information showing a recording
position on said recording medium is recorded in advance on
said recording medium, and

said partial information in association with said order information is recorded on a recording position on said recording medium, which is indicated by said address

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information associated with said obtained order information, in said recording process.

- 20. The information recording method according to claim
- 5 18, wherein said partial information comprises a information sector, and

said order information is any one of sector address information in association with said respective information sectors and relative information which is related to said sector address information.

21. An information recording medium, in which an information outputting controlling program recorded so as to be read by a computer included in an information outputting apparatus, the program making the computer function as:

an outputting device for outputting main information composed of a plurality of partial information to an information recording apparatus together with order information, which shows a configuration order in said main information of said respective partial information, along a reproduction time series in said main information; and

a controlling device for controlling said outputting device so as to repeatedly perform said outputting operation with respect to the same said main information and said order information.

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- 22. The information recording medium according to claim 21, wherein said information recording apparatus records said outputted main information in a recording medium by using said outputted order information so that said main information is reproduced on the basis of said order information.
- 23. The information recording medium according to claim 21, wherein said main information is compressed having no relation to a time axis.
- 24. The information recording medium according to claim 21, wherein said program makes the computer further function as a distributing device for distributing said main information and said order information to said information recording apparatus through the telecommunication lines.
- 25. The information recording medium according to claim
 20 21, wherein said main information includes regulating information for regulating the number of times for copying after said main information is recorded in said recording medium, and

said program makes said computer further function as:

25 a changing device for uniformly changing said respective order information in association with a content of the foregoing included regulating information and for

outputting said changing order information to said information recording apparatus together with said main information.

5 26. The information recording medium according to claim 21, wherein address information showing a recording position on said recording medium is recorded in advance on said recording medium, and

said partial information in association with said order information is recorded on a recording position on said recording medium, which is indicated by said address information associated with said obtained order information, in said recording process.

15 27. information recording medium in which information recording controlling program is recorded so as be read by a computer included in a recording controlling apparatus, wherein said recording controlling apparatus records main information and order information, 20 which are outputted from an information outputting apparatus, in a recording medium, wherein the information outputting apparatus comprises: an outputting device for outputting said main information composed of a plurality of partial information to said information recording apparatus 25 together with said order information, which shows configuration order of said respective partial information in said main information, along a reproduction time series

in said main information; and a controlling device for controlling the outputting device so as to repeatedly perform said outputting operation with respect to the same said main information and said order information,

wherein said program makes the computer function as:

an obtaining device for obtaining said outputted main information and said outputted order information; and

a recording device for recording said obtained main information in said recording medium by using said obtained order information in the order of obtaining.

28. The information recording medium according to claim 27, wherein an address information showing a recording position on said recording medium is recorded in advance on said recording medium, and

said recording device records said partial information in association with said order information on a recording position on said recording medium, which is indicated by said address information associated with said obtained order information.

- 29. The information recording medium according to claim 27, wherein said partial information comprises a information sector, and
- 25 said order information is any one of sector address information in association with said respective information

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sectors and relative information which is related to said sector address information.

- 30. An information outputting recording system
 5 comprising:
 - (a) an information outputting apparatus comprising: an outputting device for outputting main information composed of a plurality of partial information to an information recording apparatus together with order information, which shows a configuration order in said main information of said respective partial information, along a reproduction time series in said main information; and a controlling device for controlling the outputting device so as to repeatedly perform said outputting operation with respect to the same said main information and said order information; and
 - (b) said information recording apparatus comprising: an obtaining device for obtaining said outputted main information and said outputted order information; and a recording device for recording said obtained main information in said recording medium in the order of obtaining by using said obtained order information.
- 25 31, A computer data signal embodied in a carrier wave and representing a series of instructions which cause a computer to perform steps to execute an outputting

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controlling process in an information outputting apparatus, the steps comprising:

an outputting step for outputting main information composed of a plurality of partial information to an information recording apparatus together with order information, which shows a configuration order in said main information of said respective partial information, along a reproduction time series in said main information; and

a controlling step for controlling said outputting device so as to repeatedly perform said outputting operation with respect to the same said main information and said order information.

A computer data signal embodied in a carrier wave and 32. series of instructions which cause a representing a to perform steps to execute a recording computer controlling process in a recording controlling apparatus, wherein said recording controlling apparatus records main information and order information, which are outputted from an information outputting apparatus, in a recording medium, wherein the information outputting apparatus comprises: an outputting device for outputting said main information composed of a plurality of partial information to said information recording apparatus together with said order information, which shows configuration order of respective partial information in said main information, along a reproduction time series in said main information;

and a controlling device for controlling the outputting device so as to repeatedly perform said outputting operation with respect to the same said main information and said order information,

5 the steps comprising:

an obtaining step for obtaining said outputted main information and said outputted order information; and

a recording step for recording said obtained main information in said recording medium by using said obtained order information in the order of obtaining.